

Patent Abstracts of Japan

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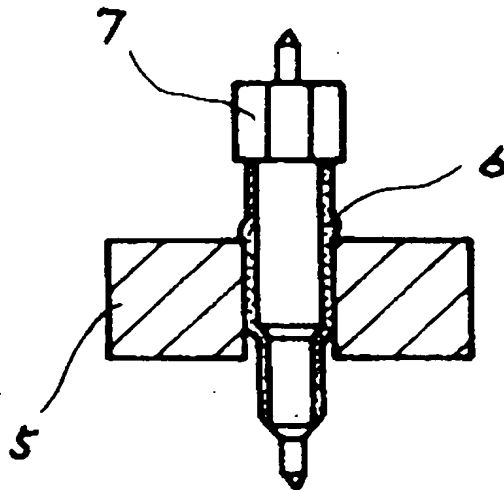
APPLICATION DATE : 15-05-80  
APPLICATION NUMBER : 55064386

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TITLE : ROTOR



ABSTRACT : PURPOSE: To prevent the breakage of a permanent magnet without using a magnetic frame as well as to contrive the miniaturization and thinning of the subject rotor by a method wherein a metal-plated layer is provided on the surface of the rotating shaft of the rotor equipped with a permanent magnetic and the rotating shaft is press-fitted and fixed in the center hole of the permanent magnet through the intermediary of said metal-plated layer.

CONSTITUTION: The metal-plated layer 6 is provided on the central surface of the rotating shaft 7 of the rotor equipped with the permanent magnet using a relatively soft material such as gold and copper, and through the intermediary of this layer 6, the rotating shaft 7 is press-fitted in the center hole of the permanent magnet 5. Through these procedures, no breakage is generated on the permanent magnet 5 when the rotating shaft is press-fitted without using the magnetic frame and the miniaturization and simplification of the rotor can be accomplished. Also, the mass productivity of the rotor can be improved.

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